

7,3',4'-Trihydroxyflavone

Chemical Properties

CAS No.:	2150-11-0
Formula:	C ₁₅ H ₁₀ O ₅
Molecular Weight:	270.24
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	3',4',7-Trihydroxyflavone can markedly inhibit the receptor activator of nuclear factor kappa B ligand (RANKL) induced osteoclastic differentiation from mouse bone marrow derived macrophages (BMMs), it inhibits osteoclastogenesis via nuclear factor of activated T cells c1 (NFATc1).
Targets(IC ₅₀)	ATPase: None NF-κB: None p38 MAPK: None RANKL: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.700 mL	18.502 mL	37.004 mL
5 mM	0.740 mL	3.700 mL	7.401 mL
10 mM	0.370 mL	1.850 mL	3.700 mL
50 mM	0.074 mL	0.370 mL	0.740 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

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